

THE BRAIN: UNDERSTANDING NEUROBIOLOGY THROUGH THE STUDY OF ADDICTION		
Nevada Science Academic Standards: Grades 9 – 12		
Lesson	Standard	Objective
1, 2, 3, 4	N.12.A.1	Students know tables, charts, illustrations and graphs can be used in making arguments and claims in oral and written presentations.
2, 3, 4	N.12.A.3	Students know repeated experimentation allows for statistical analysis and unbiased conclusions.
3	N.12.A.4	Students know how to safely conduct an original scientific investigation using the appropriate tools and technology.
2, 3, 4	N.12.A.5	Students know models and modeling can be used to identify and predict cause-effect relationships.
2, 3, 4	N.12.B.1	Students know science, technology, and society influenced one another in both positive and negative ways.
4	N.12.B.3	Students know the influence of ethics on scientific enterprise.
1, 2, 3, 4	N.12.B.4	Students know scientific knowledge builds on previous information.
4	L.12.A.1	Students know genetic information passed from parents to offspring is coded in the DNA molecule.
2, 3	L.12.B.1	Students know cell structures and their functions.
1, 2, 3	L.12.B.2	Students know the human body has a specialized anatomy and physiology composed of an hierarchical arrangement of differentiated cells.
3, 4, 5	L.12.B.3	Students know disease disrupts the equilibrium that exists in a healthy organism.
4	L.12.C.1	Students know relationships of organisms and their physical environment.
Nevada Mathematics Academic Standards: Grades 9 – 12		
Lesson	Standard	Objective
3, 4	A.1	Generalize solutions and apply previous knowledge to new problem solving situations.
3, 4	A.2	Determine an efficient strategy, verify, interpret, and evaluate the results with respect to the original problem.
3, 4	A.5	Identify necessary and extraneous information.
3, 4	A.8	Apply combinations of proven strategies and previous knowledge to solve non-routine problems.
3, 4	B.2	Model and explain mathematical relationships using oral, written, graphic, and algebraic methods.
3, 4	B.5	Use everyday language, both orally and in writing, to communicate strategies and solutions to problems using appropriate mathematical language.
3, 4	D.4	Apply mathematical thinking and modeling to solve problems that arise in other disciplines, such as rhythm in music and motion in science.
3, 4	D.5	Identify, explain, and apply mathematics in everyday life.
3, 4	1.12.8	Identify and apply real number properties to solve problems.
3, 4	3.12.3	Select and use appropriate measurement tools, techniques, and formulas to solve problems in mathematical and

NEVADA ALIGNMENT FOR NIH SUPPLEMENT THE BRAIN: UNDERSTANDING NEUROBIOLOGY THROUGH THE STUDY OF ADDICTION

		practical situations.
Nevada English Language Arts Academic Standards: Grade 12		
Lesson	Standard	Objective
All lessons	1.12.3	Apply knowledge of Anglo-Saxon-, Greek-, and Latin-derived roots and affixes to determine the meaning of unknown vocabulary across the curriculum.
All lessons	2.12.1	Refine pre-reading strategies such as accessing prior knowledge, predicting, previewing, and setting a purpose to ensure comprehension.
All lessons	4.12.3	Locate, organize, interpret, and synthesize information in multiple primary and secondary sources to support ideas and positions.
All lessons	4.12.4	Critique the power, logic, reasonableness, and audience appeal of arguments advanced in texts.
All lessons	4.12.6	Read and apply multi-step directions to perform complex procedures and tasks.
3, 4	5.12.2	Produce subject-specific technical writing, such as instructions for a shop project or field reports for science.
All lessons	5.12.5	Write summaries or abstracts that distill large amounts of information into clear, concise prose.
5	5.12.6	Write persuasive texts that evaluate, interpret, or speculate using specific rhetorical devices to support assertions; clarify and defend positions with precise and relevant evidence.
1, 2, 3, 4	6.12.3	Write compositions that present complex ideas in a sustained and compelling manner.
All lessons	7.12.1	Apply the rules of usage, grammar, and capitalization with few significant errors; use modifiers, parallel structure, and subordination correctly in writing.
All lessons	7.12.3	Use rules of punctuation; manipulate conventions for emphasis in writing.
All lessons	7.12.5	Demonstrate conventional spelling.
All lessons	8.12.1	Summarize and evaluate communications that inform, persuade, and entertain.
All lessons	9.12.1	Use specific and varied vocabulary and apply standard English to communicate ideas.
All lessons	10.12.1	Participate in problem-solving conversations or group discussions by identifying, synthesizing, and evaluating data.
All lessons	10.12.2	Negotiate to arrive at consensus by proposing and examining possible options.
All lessons	10.12.4	Justify a position using logic and refuting opposing viewpoints.
3, 4	11.12.1	Formulate cross-curricular research questions and use an appropriate research design to gather information.
3, 4	11.12.5	Organize and present research findings using appropriate media.
Nevada Health Education Core Curriculum Standards: High School		
Lesson	Standard	Objective
4	1.12.1	Assess the impact of personal history, health care choices, and the aging process on individual health.
2, 3, 4	1.12.4	Critically analyze beneficial and appropriate versus harmful and inappropriate use of drugs.

NEVADA ALIGNMENT FOR NIH SUPPLEMENT THE BRAIN: UNDERSTANDING NEUROBIOLOGY THROUGH THE STUDY OF ADDICTION

4, 5	1.12.6	Analyze how research and medical advances influence the prevention and control of disease.
4, 5	1.12.7	Describe ways an individual can effectively enhance personal health and contribute to the solution of community-wide health problems.
5	2.12.1	Analyze health promotion and disease prevention efforts.
2, 3, 4, 5	2.12.2	Critique sources of health information for accuracy.
1, 5	4.12.2	Explore how technology is used to enhance health.
All lessons	5.12.1	Utilize skills for communicating effectively.
5	6.12.1A	Utilize the decision-making process to address complex community health issues.
3, 4, 5	6.12.2	Demonstrate the ability to utilize various strategies when making decisions related to health needs and risks of young adults.
2, 3, 4, 5	6.12.3	Synthesize information on health resources.
5	7.12.1B	Demonstrate the ability to adapt health messages to meet the characteristics and needs of a particular audience.